

FLAME-RESISTANT POLYCARBONATE MOLDING COMPOSITIONS

ABSTRACT OF THE DISCLOSURE

A thermoplastic molding composition having good flame resistance, melt flowability, resistance to chemicals and creep is disclosed. The composition contains A) at least one member having weight average molecular weight (M_w) of 25,000 to 35,000 g/mol, selected from the group consisting of aromatic polycarbonate and polyester carbonate B) ABS graft polymer produced by the mass polymerization process and characterized in (i) having a butadiene content of 8 to 15 % in relation to the weight of the graft polymer, (ii) having an acrylic acid derivative content of 15 to 30 % in relation to the total weight of the acrylic derivative and styrene monomer, and (iii) containing styrene monomer-acrylic acid derivative copolymer having a weight average molecular weight of $5 \cdot 10^4$ to $14 \cdot 10^4$ g/mol. The composition may further contain one or more of halogen-free phosphorus compounds, fluorinated polyolefin, a polymer containing acrylate monomer and an inorganic material in particulate form.